IN THE CLAIMS:

Please add the new claims provided below.

1. (Previously Presented) A method of coating a medical device comprising:

interfacing a therapeutic with a supercritical fluid upstream of a control valve;

transporting, within a conduit, the interfaced therapeutic and supercritical fluid towards the medical device; and,

transferring the therapeutic from the supercritical fluid to the medical device.

2. (Previously Presented) The method of claim 1 further comprising:

applying a carrier coating to the medical device,

wherein the therapeutic is expelled from the conduit prior to being transferred from the supercritical fluid to the medical device; and

wherein the control valve regulates the degree of flow within the conduit.

3. (Original) The method of claim 1 wherein transferring the therapeutic from the supercritical fluid to the medical device includes spraying the supercritical fluid at the medical device.

4. (Original) The method of claim 1 wherein transferring the therapeutic from the supercritical fluid to the medical device includes exposing the medical device to a bath of supercritical fluid.

5. (Previously Presented) The method of claim 1 wherein the therapeutic substantially dissolves in the supercritical fluid.

6. (Original) The method of claim 1 wherein the therapeutic is colloidally suspended in the supercritical fluid.

7. (Original) The method of claim 1, further comprising:

applying a vacuum force to a chamber containing the medical device.

8. (Original) The method of claim 1 wherein the therapeutic is combined with a carrier coating.

9. (Original) The method of claim 1 further comprising:

collecting the supercritical fluid after transferring the therapeutic from the supercritical fluid to the medical device; and

removing residual therapeutic from the supercritical fluid after collecting the supercritical fluid.

10. (Original) The method of claim 1 wherein the supercritical fluid is supercritical carbon dioxide and the therapeutic is paclitaxel.

11. (Original) The method of claim 1 wherein the medical device is chosen from a group consisting of a stent, a peripherally inserted central catheter, an angio-catheter, a stent-graft, a vena-cava filter, and an aneurysm coil.

12. (Withdrawn) A method of treating a medical device comprising:

coating the medical device;

interfacing a therapeutic with a supercritical fluid; and

swelling the coating on the medical device prior to exposing the coating on the coated medical device to the supercritical fluid that has been interfaced with the therapeutic.

13. (Withdrawn) The method of claim 12 wherein exposing the coating to the supercritical fluid includes spraying the supercritical fluid at the medical device.

14. (Withdrawn) The method of claim 12 wherein exposing the coating to the supercritical fluid includes flooding a coating chamber with the supercritical fluid after the therapeutic has been interfaced with the supercritical fluid.

15. (Withdrawn) The method of claim 12 wherein:

swelling the coating includes exposing the coating to a supercritical fluid.

Claims 16-20 have been canceled without prejudice to the subject matter therein.

21. (Previously Presented) A method of coating a medical device comprising:

interfacing a therapeutic with a supercritical fluid;

transferring the therapeutic from the supercritical fluid to the medical device; and,

applying a vacuum force to a chamber containing the medical device.

22. (Previously Presented) A method of coating a medical device comprising:

interfacing a therapeutic with a supercritical fluid;

transferring the therapeutic from the supercritical fluid to the medical device;

collecting the supercritical fluid after transferring the therapeutic from the supercritical fluid to the medical device;

removing residual therapeutic from the supercritical fluid after collecting the supercritical fluid; and,

reusing the residual therapeutic by interfacing the residual therapeutic with a supercritical fluid.

23. (New) The method of claim 2 wherein the carrier coating is applied to the medical device prior to the therapeutic being transferred from the supercritical fluid to the medical device.

24. (New) The method device of claim 1 wherein the medical device is metallic.

25. (New) The method of claim 1 wherein the medical device is a stent.

26. (New) The method of claim 1 wherein the medical device is a vena-cava filter.

27. (New) The method of claim 1 wherein the medical device is an aneurysm coil.

28. (New) The method of claim 3 wherein the supercritical fluid is sprayed through a nozzle.

29. (New) The method of claim 28 further comprising:

manipulating the nozzle to change the direction in which supercritical fluid is directed towards the medical device.

30. (New) The method of claim 28 further comprising:

sliding the nozzle up or down to change an exit orifice of the nozzle at which supercritical fluid is directed towards the medical device.

31. (New) The method of claim 1 further comprising:

increasing the rate in which supercritical fluid enters a chamber containing the medical device by applying a vacuum force to the chamber.

32. (New) The method of claim 1 wherein prior to interfacing the therapeutic with the supercritical fluid, the therapeutic is interfaced with a coating.